

Commonwealth of Kentucky
Division for Air Quality

PERMIT APPLICATION SUMMARY FORM

Completed by: Ashiq Zaman

GENERAL INFORMATION:

Name : A. O. Smith Electrical Products Company
Address : 636 Holt Drive, Scottsville, Kentucky 42164
Date application received : October 13, 1997
SIC/Source description : 3621, Electrical Industrial Apparatus Motors and Generators
AFS(10-digit) Plant ID : 21-003-00007
EIS # : 105-0040-0007
Application log number : F358
Permit number : V-98-028

APPLICATION TYPE/PERMIT ACTIVITY:

- | | |
|--|---|
| <input type="checkbox"/> Initial issuance | <input type="checkbox"/> General permit |
| <input type="checkbox"/> Permit modification | <input type="checkbox"/> Conditional major |
| __Administrative | <input checked="" type="checkbox"/> Title V |
| __Minor | <input type="checkbox"/> Synthetic minor |
| __Significant | <input checked="" type="checkbox"/> Operating |
| <input type="checkbox"/> Permit renewal | <input type="checkbox"/> Construction/operating |

COMPLIANCE SUMMARY:

- | | |
|---|---|
| <input type="checkbox"/> Source is out of compliance | <input type="checkbox"/> Compliance schedule included |
| <input checked="" type="checkbox"/> Compliance certification signed | |

APPLICABLE REQUIREMENTS LIST:

- | | | |
|------------------------------|----------------------------------|---|
| <input type="checkbox"/> NSR | <input type="checkbox"/> NSPS | <input checked="" type="checkbox"/> SIP |
| <input type="checkbox"/> PSD | <input type="checkbox"/> NESHAPS | <input type="checkbox"/> Other |

MISCELLANEOUS:

- ☐ Acid rain source
- ☐ Source subject to 112(r)
- ☐ Source applied for federally enforceable emissions cap
- ☐ Source provided terms for alternative operating scenarios
- ☐ Source subject to a MACT standard
- ☐ Source requested case-by-case 112(g) or (j) determination
- ☐ Application proposes new control technology
- ☒ Certified by responsible official
- ☒ Diagrams or drawings included
- ☒ Confidential business information (CBI) submitted in application
- ☐ Pollution Prevention Measures
- ☐ Area is non-attainment (list pollutants):

EMISSIONS SUMMARY:

Pollutant	Actual (tpy)	Potential (tpy)
PM	2.52	2.52
SO ₂	0.05	0.05
NO _x	8.32	8.32
CO	1.75	1.75
VOC	215.91	215.91
LEAD		
HAP ≥ 10 tpy (by CAS)		
Triethylamine (121-44-8)	19.71	19.71
2-Butoxyethanol (111-76-2)	128.9	128.9

SOURCE PROCESS DESCRIPTION:

This source produces stators for motors. Please see the statement of basis or the permit for detail source description. Core bonding operation by dipping the stators in the core bonding compound and baking in ovens is the major source of VOC and HAP emissions. All the ovens are either electrical or natural gas fired. None of the ovens are rated more than one million BTU.